Welcome to STN International!
FILE 'REGISTRY' ENTERED AT 12:21:02 ON 05 SEP 2002

STRUCTURE FILE UPDATES: 4 SEP 2002 HIGHEST RN 446821-48-3
DICTIONARY FILE UPDATES: 4 SEP 2002 HIGHEST RN 446821-48-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

L1 1 S XXXXXCCXXXXCXXXCX/SQEP
L2 0 S XXXXXCCXXXXCXXXC/SQEP
L3 0 S XXXXCCXXXXCXXXCX/SQEP
L4 0 S XXXCCXXXXCXXXCX/SQEP
L5 0 S XXCCXXXXCXXXCX/SQEP
L6 0 S XCCXXXXCXXXCX/SQEP
L7 0 S XCCXXXXCXXXC/SQEP
L8 0 S XXCCXXXXCXXXC/SQEP
L9 0 S XXXCCXXXXCXXXC/SQEP
L10 0 S XXXXCCXXXXCXXXC/SQEP
L11 1 S XCCXXXXCXXXC/SQSP

FILE 'CA' ENTERED AT 12:25:07 ON 05 SEP 2002
FILE COVERS 1907 - 29 Aug 2002 VOL 137 ISS 10
FILE LAST UPDATED: 29 Aug 2002 (20020829/ED)

L12 1 S L1
L13 1 S L11

L12 ANSWER 1 OF 1 CA COPYRIGHT 2002 ACS
TI Alpha-conotoxins and nucleic acids encoding them PY 2000 2001

L13 ANSWER 1 OF 1 CA COPYRIGHT 2002 ACS
TI Alpha-conotoxins and nucleic acids encoding them PY 2000 2001

*** Welcome to STN International * * ***

FILE 'REGISTRY' ENTERED AT 12:12:36 ON 06 SEP 2002

STRUCTURE FILE UPDATES: 5 SEP 2002 HIGHEST RN 447396-35-2
DICTIONARY FILE UPDATES: 5 SEP 2002 HIGHEST RN 447396-35-2

L1 0 [EDATSGIY]CC[STR][DERK][STNAGHP][TSADNPAK] C[GSTANRK][QLHYWRK]C/SQSP
L2 707 [EDATSGIYX]CC.{4}C.{3}C/SQSP

FILE 'CA' ENTERED AT 12:48:23 ON 06 SEP 2002

FILE COVERS 1907 - 5 Sep 2002 VOL 137 ISS 11
FILE LAST UPDATED: 5 Sep 2002 (20020905/ED)

L3 373 L2
L4 2465 CONOTOXIN

L5 39 L3 AND L4

L5 ANSWER 1 OF 39 CA COPYRIGHT 2002 ACS
TI A novel choline-sensitive nicotinic receptor subtype that mediates enhanced GABA release in the chick ventral lateral geniculate nucleus PY 2002

L5 ANSWER 2 OF 39 CA COPYRIGHT 2002 ACS
TI New members of the .mu.- ***conotoxin*** family for use in the treatment of disease associated with sodium channel function and cDNAs encoding them PY 2002 2002

L5 ANSWER 3 OF 39 CA COPYRIGHT 2002 ACS
TI I-superfamily conotoxins and cDNAs and their pharmaceutical use PY 2002 2002 2002 2002

L5 ANSWER 4 OF 39 CA COPYRIGHT 2002 ACS
TI Mechanisms for evolving hypervariability: the case of conopeptides PY 2001

L5 ANSWER 5 OF 39 CA COPYRIGHT 2002 ACS
TI An efficient synthetic scheme for natural .alpha.-conotoxins and their analogues PY 2001

L5 ANSWER 6 OF 39 CA COPYRIGHT 2002 ACS
TI O-superfamily ***conotoxin*** peptides and cDNAs and pharmaceutical uses PY 2001

L5 ANSWER 7 OF 39 CA COPYRIGHT 2002 ACS
TI Structure-Activity Relationships in a Peptidic .alpha.7 Nicotinic Acetylcholine Receptor Antagonist PY 2000

L5 ANSWER 8 OF 39 CA COPYRIGHT 2002 ACS
TI Alpha-conotoxins and nucleic acids encoding them PY 2000 2001

L5 ANSWER 9 OF 39 CA COPYRIGHT 2002 ACS
TI Conus peptides: novel probes for nicotinic acetylcholine receptor structure and function PY 2000

L5 ANSWER 10 OF 39 CA COPYRIGHT 2002 ACS
TI Preparation of cyclized ***conotoxin*** peptides PY 2000 2000 2002 2001

L5 ANSWER 11 OF 39 CA COPYRIGHT 2002 ACS
TI Pharmacological characterization of the response of the leech pharynx to acetylcholine PY 1999

L5 ANSWER 12 OF 39 CA COPYRIGHT 2002 ACS
TI Aromatic substitutions in .alpha.- ***conotoxin*** Iml. Synthesis of iodinated photoactivatable derivative PY 1999

L5 ANSWER 13 OF 39 CA COPYRIGHT 2002 ACS
TI Minimal conformation of the .alpha.- ***conotoxin*** Iml for the .alpha.7 neuronal nicotinic acetylcholine receptor recognition: correlated CD, NMR and binding studies PY 1999

L5 ANSWER 14 OF 39 CA COPYRIGHT 2002 ACS
TI Pairwise interactions between neuronal .alpha.7 acetylcholine receptors and .alpha.- ***conotoxin*** Iml PY 1999

L5 ANSWER 15 OF 39 CA COPYRIGHT 2002 ACS
TI Solution structure of .alpha.- ***conotoxin*** Iml determined by two-dimensional NMR spectroscopy PY 1999

L5 ANSWER 16 OF 39 CA COPYRIGHT 2002 ACS
TI Solution Structure of .alpha.- ***Conotoxin*** Iml by 1H Nuclear Magnetic Resonance PY 1999

L5 ANSWER 17 OF 39 CA COPYRIGHT 2002 ACS
TI Sequence analysis of the genome of Bombyx mori nucleopolyhedrovirus PY 1999

L5 ANSWER 18 OF 39 CA COPYRIGHT 2002 ACS
TI Uses of alpha- ***conotoxin*** peptides PY 1999 1999 2001 2002

L5 ANSWER 19 OF 39 CA COPYRIGHT 2002 ACS

TI .alpha.- ***Conotoxin*** Iml inhibits the .alpha.-bungarotoxin- resistant nicotinic response in bovine adrenal chromaffin cells PY 1999

L5 ANSWER 20 OF 39 CA COPYRIGHT 2002 ACS
TI NMR Solution Structure of .alpha.- ***Conotoxin*** Iml and Comparison to Other Conotoxins Specific for Neuronal Nicotinic Acetylcholine Receptors PY 1999

L5 ANSWER 21 OF 39 CA COPYRIGHT 2002 ACS
TI NMR spatial structure of .alpha.- ***conotoxin*** Iml reveals a common scaffold in snail and snake toxins recognizing neuronal nicotinic acetylcholine receptors PY 1999

L5 ANSWER 22 OF 39 CA COPYRIGHT 2002 ACS
TI Unmasking the functions of the chromaffin cell .alpha.7 nicotinic receptor by using short pulses of acetylcholine and selective blockers PY 1998

L5 ANSWER 23 OF 39 CA COPYRIGHT 2002 ACS
TI Functional determinants by which snake and cone snail toxins block the .alpha.7 neuronal nicotinic acetylcholine receptors PY 1998

L5 ANSWER 24 OF 39 CA COPYRIGHT 2002 ACS
TI Molecular dissection of subunit interfaces in the nicotinic acetylcholine receptor PY 1998

L5 ANSWER 25 OF 39 CA COPYRIGHT 2002 ACS
TI Two distinct nicotinic receptors, one pharmacologically similar to the vertebrate .alpha.7-containing receptor, mediate Cl currents in Aplysia neurons PY 1998

L5 ANSWER 26 OF 39 CA COPYRIGHT 2002 ACS
TI Identification of residues in the neuronal .alpha.7 acetylcholine receptor that confer selectivity for ***conotoxin*** Iml PY 1998

L5 ANSWER 27 OF 39 CA COPYRIGHT 2002 ACS
TI Structural elements in .alpha.- ***conotoxin*** Iml essential for binding to neuronal .alpha.7 receptors PY 1998

L5 ANSWER 28 OF 39 CA COPYRIGHT 2002 ACS
TI Use of ***conotoxin*** peptides Iml and MII as cardiovascular agents PY 1998 1998 2001 1999 2001

L5 ANSWER 29 OF 39 CA COPYRIGHT 2002 ACS
TI The sequence of the Orgyia pseudotsugata multinucleocapsid nuclear polyhedrosis virus genome PY 1997

L5 ANSWER 30 OF 39 CA COPYRIGHT 2002 ACS
TI Differential block of nicotinic synapses on B versus C neurons in sympathetic ganglia of frog by .alpha.-conotoxins MII and Iml PY 1997

L5 ANSWER 31 OF 39 CA COPYRIGHT 2002 ACS
TI Identification of genes encoding A-lineage ***conotoxin*** peptides by PCR PY 1996 1995 1996

L5 ANSWER 32 OF 39 CA COPYRIGHT 2002 ACS
TI Use of ***conotoxin*** peptides U002 and MII for treating or detecting small-cell lung carcinoma PY 1996 1997 1996 1998 1998 1999

L5 ANSWER 33 OF 39 CA COPYRIGHT 2002 ACS
TI .alpha.- ***Conotoxin*** -Iml: a competitive antagonist at .alpha.-bungarotoxin-sensitive neuronal nicotinic receptors in hippocampal neurons PY 1996

L5 ANSWER 34 OF 39 CA COPYRIGHT 2002 ACS
TI ***Conotoxin*** peptides PY 1996 1995 1995 1995 1995 1995 1997 1996 2002 1998 2002 2002 1997 1996 1997 1997 1997 1998

L5 ANSWER 35 OF 39 CA COPYRIGHT 2002 ACS
TI .alpha.- ***Conotoxin*** Imperialis I inhibits nicotine-evoked hormone release and cell proliferation in human neuroendocrine carcinoma cells PY 1996

L5 ANSWER 36 OF 39 CA COPYRIGHT 2002 ACS
TI ***Conotoxin*** peptides of Conus striatus PY 1995 1996 1995 1997 1996 2002 1998 2002

L5 ANSWER 37 OF 39 CA COPYRIGHT 2002 ACS
TI .alpha.- ***Conotoxin*** Im I exhibits subtype-specific nicotinic acetylcholine receptor blockade: preferential inhibition of homomeric .alpha.7 and .alpha.9 receptors PY 1995

L5 ANSWER 38 OF 39 CA COPYRIGHT 2002 ACS
TI The complete DNA sequence of Autographa californica nuclear polyhedrosis virus PY 1994

L5 ANSWER 39 OF 39 CA COPYRIGHT 2002 ACS
TI A nicotinic acetylcholine receptor ligand of unique specificity, .alpha.- ***conotoxin*** Iml
PY 1994

L5 ANSWER 28 OF 39 CA COPYRIGHT 2002 ACS
AN 129:12744 CA
TI Use of ***conotoxin*** peptides Iml and MII as cardiovascular agents
IN McIntosh, J. Michael; Olivera, Baldomero M.; Yoshikami, Doju
PA University of Utah Research Foundation, USA; McIntosh, J. Michael; Olivera, Baldomero M.; Yoshikami, Doju
SO PCT Int. Appl., 24 pp. CODEN: PIXXD2 DT Patent LA English
FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- --- ----- ---------- -- -------
PI WO 9822126 A1 19980528 WO 1997-US20669 19971117 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG AU 9852555 A1 19980610 AU 1998-52555 19971117 AU 735724 B2 20010712 EP 948346 A1 19991013 EP 1997-947488 19971117 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI JP 2001505878 T2 20010508 JP 1998-523732 19971117
PRAI US 1996-31141P P 19961118 WO 1997-US20669 W 19971117

L5 ANSWER 32 OF 39 CA COPYRIGHT 2002 ACS
AN 126:126900 CA
TI Use of ***conotoxin*** peptides U002 and MII for treating or detecting small-cell lung carcinoma
IN Olivera, Baldomera M.; Cruz, Lourdes J.; Hillyard, David R.; Mcintosh, J. Michael; Santos, Ameurfino S.
PA University of Utah Research Fondation, USA
SO PCT Int. Appl., 28 pp. CODEN: PIXXD2 DT Patent LA English
FAN.CNT 7 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- --- ----- ---------- -- -------
PI WO 9640211 A1 19961219 WO 1996-US7962 19960604 W: AU, CA, JP RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE US 5595972 A 19970121 US 1995-487174 19950607 AU 9662503 A1 19961230 AU 1996-62503 19960604 AU 695055 B2 19980806 EP 844883 A1 19980603 EP 1996-921234 19960604 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI JP 11506737 T2 19990615 JP 1996-500831 19960604
PRAI US 1995-487174 A 19950607 US 1993-84848 A2 19930629 US 1993-137800 A2 19931019 WO 1996-US7962 W 19960604

L5 ANSWER 34 OF 39 CA COPYRIGHT 2002 ACS
AN 125:28184 CA
TI ***Conotoxin*** peptides
IN Olivera, Baldomero M.; Cruz, Lourdes J.; Hillyard, David R.; Mcintosh, J. Michael; Santos, Ameurfina D.
PA University of Utah Research Foundation, USA
SO U.S., 32 pp., Cont.-in-part of U.S. 5, 432, 155. CODEN: USXXAM
DT Patent

LA English
FAN.CNT 7 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- --- ------ ----------
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PI US 5514774 A 19960507 US 1993-137800 19931019 US 5432155 A 19950711 US 1993-84848 19930629 CA 2165566 AA 19950112 CA 1994-2165566 19940627 CA 2172989 AA 19950427 CA 1994-2172989 19941019 WO 9511256 A1 19950427 WO 1994-US11927 19941019 W: AU, CA, JP RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE AU 9510831 A1 19950508 AU 1995-10831 19941019 AU 681216 B2 19970821 EP 728146 A1 19960828 EP 1995-901691 19941019 EP 728146 B1 20020109 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE JP 10509415 T2 19980914 JP 1994-512187 19941019 AT 211764 E 20020115 AT 1995-901691 19941019 ES 2169754 T3 20020716 ES 1995-901691 19941019 US 5700778 A 19971223 US 1995-458499 19950602 US 5589340 A 19961231 US 1995-477383 19950607 US 5595972 A 19970121 US 1995-487174 19950607 US 5633347 A 19970527 US 1995-480750 19950607 AU 9735197 A1 19971120 AU 1997-35197 19970821 AU 699078 B2 19981119
PRAI US 1993-84848 A2 19930629 US 1993-137800 A 19931019 WO 1994-US11927 W 19941019

L5 ANSWER 31 OF 39 CA COPYRIGHT 2002 ACS
AN 126:182612 CA
TI Identification of genes encoding A-lineage ***conotoxin*** peptides by PCR
IN Olivera, Baldomero M.; Cruz, Lourdes J.; Hillyard, David R.; Mcintosh, J. Michael; Santos, Ameurfino D.
PA University of Utah Research Foundation, USA
SO U.S., 36 pp., Cont.-in-part of U.S. 5,514,774. CODEN: USXXAM
DT Patent
LA English
FAN.CNT 7 PATENT NO. KIND DATE APPLICATION NO. DATE ---------- --- ------ ----------
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PI US 5589340 A 19961231 US 1995-477383 19950607 US 5432155 A 19950711 US 1993-84848 19930629 US 5514774 A 19960507 US 1993-137800 19931019
PRAI US 1993-84848 A2 19930629 US 1993-137800 A2 19931019

05sep02 11:02:15 User208600 Session D1526.1
DIALINDEX(R) (c) 2002 The Dialog Corporation plc
?sf allscience You have 260 files in your file list.

Your SELECT statement is:
s conotoxin? and imperialis

Items	File
10	5: Biosis Previews(R)_1969-2002/Sep W1
8	34: SciSearch(R) Cited Ref Sci_1990-2002/Sep W1
5	44: Aquatic Sci&Fish Abs_1978-2002/Sep
6	71: ELSEVIER BIOBASE_1994-2002/Sep W1
6	73: EMBASE_1974-2002/Aug W4
6	76: Life Sciences Collection_1982-2002/Aug
Examined 50 files	
1	98: General Sci Abs/Full-Text_1984-2002/Jul
5	144: Pascal_1973-2002/Sep W1
6	155: MEDLINE(R)_1966-2002/Sep W1
2	156: ToxFile_1965-2002/Sep W1
1	185: Zoological Record Online(R)_1978-2002/Aug
Examined 100 files	
Examined 150 files	
1	348: EUROPEAN PATENTS_1978-2002/Aug W04
17	349: PCT FULLTEXT_1983-2002/UB=20020829,UT=20020815
1	357: Derwent Biotech Res._1982-2002/June W1
8	399: CA SEARCH(R)_1967-2002/UD=13710
8	440: Current Contents Search(R)_1990-2002/Sep 05
Examined 200 files	
8	654: US PAT.FULL._1976-2002/Sep 03
Examined 250 files	

17 files have one or more items; file list includes 260 files.

05sep02 11:04:37 User208600 Session D1526.2
File 155:MEDLINE(R) 1966-2002/Sep W1
File 5:Biosis Previews(R) 1969-2002/Sep W1 (c) 2002 BIOSIS
File 34:SciSearch(R) Cited Ref Sci 1990-2002/Sep W1 (c) 2002 Inst for Sci Info

Set	Items	Description
S1	24	CONOTOXIN? AND IMPERIALIS
S2	24	ID (sorted in duplicate order)
S3	3	S1 NOT (IMI OR IM(W)I)

1/7/1 (Item 1 from file: 155) DIALOG(R)File 155:MEDLINE(R)
10332569 99324017 PMID: 10395477
Solution structure of alpha- conotoxin Iml by 1H nuclear magnetic resonance.
Gehrmann J; Daly N L; Alewood P F; Craik D J
Centre for Drug Design and Development, University of Queensland, Brisbane, Queensland 4072, Australia.
Journal of medicinal chemistry (UNITED STATES) Jul 1 1999, 42 (13) p2364-72, ISSN 0022-2623 Journal Code: 9716531 Document type: Journal Article Languages: ENGLISH Main Citation Owner: NLM Record type: Completed
alpha- Conotoxin Iml derives from the venom of Conus imperialis and is the first and only small-peptide ligand that selectively binds to the neuronal alpha7 homopentameric subtype of the nicotinic acetylcholine receptor (nAChR). This receptor subtype is a possible drug target for several neurological disorders. The cysteines are connected in the pairs Cys2-Cys8 and Cys3-Cys12. To date it is the only alpha- conotoxin with a 4/3 residue spacing between the cysteines. The structure of Iml has been determined by 1H NMR spectroscopy in aqueous solution. The NMR structure is of high quality, with a backbone pairwise rmsd of 0.34 A for a family of 19 structures, and comprises primarily a series of nested beta turns. Addition of organic solvent does not perturb the solution structure. The first eight residues of Iml are identical to the larger, but related, conotoxin Epl and adopt a similar structure, despite a truncated second loop. Residues important for binding of Iml to the alpha7 nAChR are all clustered on one face of the molecule. Once further binding data for Epl and Iml are available, the Iml structure will allow for design of novel alpha7 nAChR-specific agonists and antagonists with a wide range of potential pharmaceutical applications. Record Date Created: 19990722

1/7/2 (Item 2 from file: 155) DIALOG(R)File 155:MEDLINE(R)
10212710 99196510 PMID: 10098874
Alpha- conotoxin Iml inhibits the alpha-bungarotoxin-resistant nicotinic response in bovine adrenal chromaffin cells.
Broxton N M; Down J G; Gehrmann J; Alewood P F; Satchell D G; Livett B G
Department of Biochemistry and Molecular Biology, University of Melbourne, Parkville, Victoria, Australia.
Journal of neurochemistry (UNITED STATES) Apr 1999, 72 (4) p1656-62, ISSN 0022-3042 Journal Code: 2985190R
Document type: Journal Article Languages: ENGLISH Main Citation Owner: NLM Record type: Completed
The activity of alpha- conotoxin (alpha-CTX) Iml, from the vermivorous marine snail Conus imperialis , has been studied on mammalian nicotinic receptors on bovine chromaffin cells and at the rat neuromuscular junction. Synthetic alpha-CTX Iml was a potent inhibitor of the neuronal nicotinic response in bovine adrenal chromaffin cells (IC50 = 2.5 microM, log IC50 = 0.4 +/- 0.07), showing competitive inhibition of nicotine-evoked catecholamine secretion. Alpha-CTX Iml also inhibited nicotine-evoked 45Ca2+ uptake but not 45Ca2+ uptake stimulated by 56 mM K+. In contrast, alpha-CTX Iml had no effect at the neuromuscular junction over the concentration range 1-20 microM. Bovine chromaffin cells are known to contain the alpha3beta4, alpha7, and (possibly) alpha3beta4alpha5 subtypes. However, the secretory response of bovine chromaffin cells is not inhibited by alpha-bungarotoxin, indicating that alpha7 nicotinic receptors are not involved. We propose that alpha-CTX Iml interacts selectively with the functional (alpha3beta4 or alpha3beta4alpha5) nicotinic acetylcholine receptor to inhibit the neuronal-type nicotinic response in bovine chromaffin cells. Record Date Created: 19990413

2/6/1 (Item 1 from file: 155) 10212710 99196510 PMID: 10098874
Alpha- conotoxin Iml inhibits the alpha-bungarotoxin-resistant nicotinic response in bovine adrenal chromaffin cells. Apr 1999

2/6/2 (Item 2 from file: 5) 11964355 BIOSIS NO.: 199900210464
alpha- conotoxin Iml inhibits the alpha-bungarotoxin-resistant nicotinic response in bovine adrenal chromaffin cells. 1999

2/6/3 (Item 3 from file: 34) 07529477 Genuine Article#: 177HJ Number of References: 41
Title: alpha- Conotoxin Iml inhibits the alpha-bungarotoxin-resistant nicotinic response in bovine adrenal chromaffin cells (ABSTRACT AVAILABLE) Publication date: 19990400

2/6/4 (Item 4 from file: 5) 09517707 BIOSIS NO.: 199497526077
Alpha- conotoxin Iml, a novel peptide which selectively targets neuronal nAChRs. 1994

2/6/5 (Item 5 from file: 155) 08917691 96272652 PMID: 8848281
alpha- Conotoxin imperialis I inhibits nicotine-evoked hormone release and cell proliferation in human neuroendocrine carcinoma cells. Mar 8 1996

2/6/6 (Item 6 from file: 5) 10291197 BIOSIS NO.: 199698746115
Alpha- Conotoxin imperialis I inhibits nicotine-evoked hormone release and cell proliferation in human neuroendocrine carcinoma cells. 1996

2/6/7 (Item 7 from file: 34) 04686238 Genuine Article#: UB091 Number of References: 12
Title: ALPHA- CONOTOXIN - IMPERIALIS -I INHIBITS NICOTINE-EVOKED HORMONE-RELEASE AND CELL-PROLIFERATION IN HUMA NEUROENDOCRINE CARCINOMA-CELLS (Abstract Available)

2/6/8 (Item 8 from file: 5) 10075858 BIOSIS NO.: 199598530776
Alpha- Conotoxin -Iml: A potent antagonist at the alpha-bungarotoxin (alpha-BGT)-sensitive hippocampal nicotinic receptor (nAChR). 1995

2/6/9 (Item 9 from file: 155)08134611 94266889 PMID: 8206995
A nicotinic acetylcholine receptor ligand of unique specificity, alpha- conotoxin Iml. Jun 17 1994

2/6/10 (Item 10 from file: 5) 09346646 BIOSIS NO.: 199497355016
A nicotinic acetylcholine receptor ligand of unique specificity, alpha- Conotoxin Iml. 1994

2/6/11 (Item 11 from file: 34) 03253940 Genuine Article#: NR296 Number of References: 44
Title: A NICOTINIC ACETYLCHOLINE-RECEPTOR LIGAND OF UNIQUE SPECIFICITY, ALPHA- CONOTOXIN -IMI (Abstract Available)

2/6/12 (Item 12 from file: 155) 10166303 99158061 PMID: 10050774
NMR spatial structure of alpha- conotoxin Iml reveals a common scaffoldin snail and snake toxins recognizing neuronal nicotinic acetylcholine receptors. Feb 12 1999

2/6/13 (Item 13 from file: 5) 11905296 BIOSIS NO.: 199900151405
NMR spatial structure of alpha- conotoxin Iml reveals a common scaffold in snail and snake toxins recognizing neuronal nicotinic acetylcholine receptors. 1999

2/6/14 (Item 14 from file: 34) 07463973 Genuine Article#: 168ZN Number of References: 43
Title: NMR spatial structure of alpha- conotoxin Iml reveals a common scaffold in snail and snake toxins recognizing neuronal nicotinic acetylcholine receptors (ABSTRACT AVAILABLE) Publication date: 19990212

2/6/15 (Item 15 from file: 5) 13329220 BIOSIS NO.: 200100536369
Novel Conus venoms modify behavior of medicinal leeches. 2001

2/6/16 (Item 16 from file: 5) 10071539 BIOSIS NO.: 199598526457
A new family of Conus peptides targeted to the nicotinic acetylcholine receptor. 1995

2/6/17 (Item 17 from file: 34) 02942226 Genuine Article#: MQ893 Number of References: 8
Title: PRESENCE OF SEROTONIN IN THE VENOM OF CONUS- IMPERIALIS (Abstract Available)

2/6/18 (Item 18 from file: 34) 07743140 Genuine Article#: 203CR Number of References: 31
Title: Solution structure of alpha- conotoxin Iml determined by two-dimensional NMR spectroscopy (ABSTRACT AVAILABLE) Publication date: 19990518

2/6/19 (Item 19 from file: 34) 07837935 Genuine Article#: 213ZY Number of References: 59
Title: Solution structure of alpha- conotoxin Iml by H-1 nuclear magnetic resonance (ABSTRACT AVAILABLE) Publication date: 19990701

2/6/20 (Item 20 from file: 155) 10332569 99324017 PMID: 10395477
Solution structure of alpha- conotoxin Iml by 1H nuclear magnetic resonance. Jul 1 1999

2/6/21 (Item 21 from file: 5) 12060506 BIOSIS NO.: 199900355355
Solution structure of alpha- conotoxin Iml by 1H nuclear magnetic resonance. 1999

2/6/22 (Item 22 from file: 155) 09988283 98437399 PMID: 9763466
Two distinct nicotinic receptors, one pharmacologically similar to the vertebrate alpha7-containing receptor, mediate Cl currents in aplysia neurons. Oct 15 1998

2/6/23 (Item 23 from file: 5) 11717767 BIOSIS NO.: 199800499498
Two distinct nicotinic receptors, one pharmacologically similar to the vertebrate alpha7-containing receptor, mediate Cl currents in Aplysia neurons. 1998

2/6/24 (Item 24 from file: 34) 07129366 Genuine Article#: 126WL Number of References: 74
Title: Two distinct nicotinic receptors, one pharmacologically similar to the vertebrate alpha 7-containing receptor, mediate Cl currents in Aplysia neurons (ABSTRACT AVAILABLE) Publication date: 19981015

2/7/22 (Item 22 from file: 155) DIALOG(R)File 155:MEDLINE(R)
09988283 98437399 PMID: 9763466
Two distinct nicotinic receptors, one pharmacologically similar to the vertebrate alpha7-containing receptor, mediate Cl currents in aplysia neurons.
Kehoe J; McIntosh J M
Laboratoire de Neurobiologie, Ecole Normale Superieure, Paris 75005, France.
Journal of neuroscience : the official journal of the Society for Neuroscience (UNITED STATES) Oct 15 1998, 18 (20) p8198-213, ISSN 0270-6474 Journal Code: 8102140
Contract/Grant No.: GM 48677; GM; NIGMS; MH 53631; MH; NIMH Document type: Journal Article
Languages: ENGLISH Main Citation Owner: NLM Record type: Completed
Ionotropic, nicotinic receptors have previously been shown to mediate both inhibitory (Cl-dependent) and excitatory (cationic) cholinergic responses in Aplysia neurons. We have used fast perfusion methods of agonist and antagonist application to reevaluate the effects on these receptors of a wide variety of cholinergic compounds, including a number of recently isolated and/or synthesized alpha toxins [alpha- conotoxin (alphaCTx)] from Conus snails. These toxins have been shown in previous studies to discriminate between the many types of nicotinic receptors now known to be expressed in vertebrate muscle, neuroendocrine, and neuronal cells. One of these toxins (alphaCTx Iml from the worm-eating snail Conus imperialis) revealed that two kinetically and pharmacologically distinct elements underlie the ACh-induced Cl-dependent response in Aplysia neurons: one element is a rapidly desensitizing current that is blocked by the toxin; the other is a slowly desensitizing current that is unaffected by the toxin. The two kinetically defined elements were also found to be differentially sensitive to different agonists. Finally, the proportion of the rapidly desensitizing element to the sustained element was found to be cell-specific. These observations led to the conclusion that two distinct nicotinic receptors mediate Cl currents in Aplysia neurons. The receptor mediating the rapidly desensitizing Cl-dependent response shows a strong pharmacological resemblance to the vertebrate alpha-bungarotoxin-sensitive, alpha7-containing receptor, which is permeable to calcium and mediates a rapidly desensitizing excitatory response. Record Date Created: 19981023

3/6/1 (Item 1 from file: 5) 13329220 BIOSIS NO.: 200100536369
Novel Conus venoms modify behavior of medicinal leeches. 2001

3/6/2 (Item 2 from file: 5) 10071539 BIOSIS NO.: 199598526457
A new family of Conus peptides targeted to the nicotinic acetylcholine receptor. 1995

3/6/3 (Item 1 from file: 34) 02942226 Genuine Article#: MQ893 Number of References: 8
Title: PRESENCE OF SEROTONIN IN THE VENOM OF CONUS- IMPERIALIS (Abstract Available)

05sep02 11:10:39 User208600 Session D1526.3
SYSTEM:OS - DIALOG OneSearch
File 348:EUROPEAN PATENTS 1978-2002/Aug W04 (c) 2002 European Patent Office
File 349:PCT FULLTEXT 1983-2002/UB=20020829,UT=20020815 (c) 2002 WIPO/Univentio

Set Items Description
S1 18 CONOTOXIN? AND IMPERIALIS
S2 14 S1 NOT (IMI OR IM(W)I)
S3 4 S1 NOT S2
S4 0 IM(W)1.2 OR IM1.2

2/PN/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2002 European Patent Office. All rts. reserv. 00699305
CONOTOXIN PEPTIDES CONOTOXINPEPTIDE
PEPTIDES DE CONOTOXINE
EP 728146 A1 960828 (Basic)
EP 728146 A1 980819
EP 728146 B1 020109
WO 9511256 950427
LANGUAGE (Publication,Procedural,Application): English; English; English

2/PN/2 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00874013
SNAKE TOXIN AND USE THEREOF AS A PHARMACEUTICAL TOXINE DE SERPENT ET UTILISATION EN TANT QU'AGENT PHARMACEUTIQUE SCHLANGENTOXIN UND DESSEN VERWENDUNG ALS ARZNEIMITTEL
Patent: WO 200207740 A2-A3 20020131 (WO 0207740)
Main International Patent Class: C07K-014/46
International Patent Class: A61K-038/17; A61P-035/00; G01N-033/68
Publication Language: German Filing Language: German

2/PN/3 (Item 2 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00817343
O-SUPERFAMILY CONOTOXIN PEPTIDES PEPTIDES DESIGNES SUPERFAMILLE O- DE CONOTOXINES
Patent: WO 200149312 A2 20010712 (WO 0149312)
Main International Patent Class: A61K-038/17
International Patent Class: C07K-014/435; C12N-015/12; G01N-033/566
Publication Language: English Filing Language: English

2/PN/4 (Item 3 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00804128
P-SUPERFAMILY CONOPEPTIDES CONOPEPTIDES DE LA SUPERFAMILLE P
Patent: WO 200135985 A1 20010525 (WO 0135985)
Main International Patent Class: A61K-038/17
International Patent Class: A61K-049/14; C07K-014/435; C12N-015/12; G01N-033/53
Publication Language: English Filing Language: English

2/PN/5 (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00785788
GAMMA-CARBOXYGLUTAMATE CONTAINING CONOPEPTIDES GAMMA-CARBOXYGLUTAMATE RENFERMANT DES CONOPEPTIDES
Patent: WO 200118033 A1 20010315 (WO 0118033)
Main International Patent Class: C07K-005/00
International Patent Class: C07H-021/02; G01N-033/53
Publication Language: English Filing Language: English

2/PN/6 (Item 5 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00733384
TAU- CONOTOXIN PEPTIDES PEPTIDES DESIGNES TAU- CONOTOXINES
Patent: WO 200046371 A1 20000810 (WO 0046371)
Main International Patent Class: C12N-015/12
International Patent Class: A61K-038/00; A61K-038/10; C07K-014/435; C07K-014/00
Publication Language: English Filing Language: English

2/PN/7 (Item 6 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00732428
CONOTOXIN PEPTIDES PEPTIDES DE CONOTOXINE
Patent: WO 200044769 A1 20000803 (WO 0044769)
Main International Patent Class: C07K-005/00
International Patent Class: C12N-015/11; A61K-038/00
Publication Language: English Filing Language: English

2/PN/8 (Item 7 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00559719
CONTULAKIN-G, ANALOGS THEREOF AND USES THEREFOR CONTULAKINE-G, SES ANALOGUES ET SES UTILISATIONS
Patent: WO 200023092 A1 20000427 (WO 0023092)
Main International Patent Class: A61K-038/10
International Patent Class: C07K-009/00; C07K-014/435; C12N-015/12
Publication Language: English Filing Language: English

2/PN/9 (Item 8 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00556645
KAPPA-A CONOPEPTIDES AND USES THEREFOR CONOPEPTIDES KAPPA-A ET LEURS UTILISATIONS
Patent: WO 200020018 A1 20000413 (WO 0020018)
Main International Patent Class: A61K-038/12
International Patent Class: A61K-038/14; A61K-038/17; C07K-014/435; C12N-015/12
Publication Language: English

2/PN/10 (Item 9 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00502513
CONTRYPHAN PEPTIDES PEPTIDES DENOMMES "CONTRYPHANES"
Patent: WO 9933865 A1 19990708
Main International Patent Class: C07K-007/00
Publication Language: English

2/PN/11 (Item 10 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00499380
GAMMA-CONOPEPTIDES GAMMA-CONOPEPTIDES
Patent: WO 9930732 A1 19990624
Main International Patent Class: A61K-038/28
International Patent Class: A61K-038/12; A61K-038/00; A61K-038/04; C07K-005/00; C07K-007/00
Publication Language: English Fulltext

2/PN/12 (Item 11 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00460858
CONOPEPTIDES AulA, AulB AND AulC CONOPEPTIDES AulA, AulB, ET AulC
Patent: WO 9851322 A1 19981119
Main International Patent Class: A61K-038/00
International Patent Class: A61K-38:04
Publication Language: English

2/PN/13 (Item 12 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00357697
USE OF CONOTOXIN PEPTIDES U002 AND MII FOR TREATING OR DETECTING SMALL-CELL LUNG CARCINOMA UTILISATION DES PEPTIDES CONOTOXINE U002 ET MII POUR TRAITER OU POUR DETECTER UN CARCINOME PULMONAIRE A PETITES CELLULES
Patent: WO 9640211 A1 19961219
Main International Patent Class: A61K-038/10
Publication Language: English

2/PN/14 (Item 13 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00293107
CONOTOXIN PEPTIDES PEPTIDES DE CONOTOXINE
Patent: WO 9511256 A1 19950427
Main International Patent Class: C07K-007/08
International Patent Class: C07K-14:00; C07K-14:435; C12N-15:12
Publication Language: English

3/PN/1 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00732434
ALPHA- CONOTOXIN PEPTIDES PEPTIDES D'ALPHA- CONOTOXINE
Patent: WO 200044776 A1 20000803 (WO 0044776)
Main International Patent Class: C07K-014/00
International Patent Class: C07K-014/435; C07K-007/08; A61K-038/10; A61K-038/17
Publication Language: English Filing Language: English

3/PN/2 (Item 2 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00502130
USES OF ALPHA- CONOTOXIN PEPTIDES UTILISATION DE PEPTIDES ALPHA- CONOTOXINES
Patent: WO 9933482 A1 19990708
Main International Patent Class: A61K-038/00
International Patent Class: A61K-038/04
Publication Language: English

3/PN/3 (Item 3 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00441241
BROMO-TRYPTOPHAN CONOPEPTIDES CONOPEPTIDES DE BROMO-TRYPTOPHANE
Patent: WO 9831705 A1 19980723
Main International Patent Class: C07K-007/00
Publication Language: English

3/PN/4 (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2002 WIPO/Univentio. All rts. reserv. 00431662
USE OF CONOTOXIN PEPTIDES Iml AND MII AS CARDIOVASCULAR AGENTS UTILISATION DES PEPTIDES DE CONOTOXINE IMI ET MII EN TANT QU'AGENTS CARDIO-VASCULAIRES
Patent: WO 9822126 A1 19980528
Main International Patent Class: A61K-038/10
Publication Language: English

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